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SUPPLEMENTAL INFORMATION **DISCLOSURE** STATEMENT BY APPLICANT

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Complete if Known					
Application Number	10/812,849-Conf. #3684				
Filing Date	March 30, 2004				
First Named Inventor	Todd C. Zankel				
Art Unit	1649				
Examiner Name	Daniel Kolker				
Attorney Docket Number	31075/40037				

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
70.K.7	A1	US-2003/0129186-A1	07-10-2003	Beliveau et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Το		

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		NON PATENT LITERATURE DOCUMENTS									
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (boo magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.									
/D.K./	C64	Anderson et al., "Differential Binding of Ligands to the Apolipoprotein E Receptor 2," Biochemistry, 42:9355-9364 (2003).									
	C65	Anderson et al., "Dominant Thermodynamic Role of the Third Independent Receptor Binding Site in the Receptor-Associated Protein RAP," <i>Biochemistry</i> , 40:15408-15417 (2001).									
	C66	Anderson et al., "Identification of the Minimal Functional Unit in the Low Density Lipoprotein Receptor-related Protein for Binding the Receptor-associated Protein (RAP)," J. Biol. Chem., 275(28):21017-21024 (2000).									
	C67	Bajari et al., "A Minimal Binding Domain of the Low Density Lipoprotein Receptor Family," <i>Biol. Chem.</i> , 379:1053-1062 (1998).									
	C68	Bickel et al., "Pharmacologic Effects in Vivo in Brain by Vector-mediated Peptide Drug Delivery," <i>Proc. Natl. Acad. Sci. USA</i> , 90:2618-2622 (1993).									
	C69	Bogan et al., "Anatomy of Hot Spots in Protein Interfaces," J. Mol. Biol., 280:1-9 (1998).									
	C70	Bu, "The Roles of Receptor-Associated Protein (RAP) as a Molecular Chaperone for Members of the LDL Receptor Family," Int. Rev. Cytol., 209:79-116 (2001).									
	C71	Clackson et al., "A Hot Spot of Binding Energy in a Hormone-receptor Interface," Science, 267:383-386 (1995).									
C72 DeLano, "Unraveling Hot Spots in Binding Interfaces: Progress and Challenges," Curr. C Struct. Biol., 12:14-20 (2002). C73 Dwyer et al., "High Affinity RNase S-Peptide Variants Obtained by Phage Display Have in Novel 'Hot-Spot" of Binding Energy," Biochemistry, 40:13491-13500 (2001). C74 Fisher et al., "Structure of an LDLR-RAP Complex Reveals a General Mode for Ligand Recognition by Lipoprotein Receptors," Molecular Cell, 22:277-283 (2006).											
						C75 Gao et al., "Structure-based Method for Analyzing Protein-Protein Interfaces," J. Mol. Model 10:4-54 (2004).					
						C76	Halperin et al., "Protein-Protein Interactions: Coupling of Structurally Conserved Residues and of Hot Spots Across Interfaces. Implications for Docking," Structure, 12:1027-1038 (2004).				
V	C77	Horn et al., "Molecular Analysis of Ligand Binding to the Second Cluster of Complement-type									
xaminer Signature		/Daniel Kolker/ Date Considered 06/26/2007									

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DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Todd C. Zankel	
			APPLICANT	Art Unit	1649 .	
	(Use as many sheets as necessary)			Examiner Name	Daniel Kolker	
Sheet	2	of	2	Attorney Docket Number	31075/40037	

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/D.K./		Repeats of the Low Density Lipoprotein Receptor-related Protein," J. Biol. Chem., 272(21):13608-13613 (1997).	
	C78	Jensen et al., "Binding Site Structure of One LRP-RAP Complex: Implications for a Common Ligand-Receptor Binding Motif," <i>J. Mol. Biol.</i> , 362:700-716 (2006).	
	C79	Kounnas et al., "The 39-kDa Receptor-Associated Protein Interacts with Two Members of the Low Density Lipoprotein Receptor Family, α2-Macroglobulin Receptor and Glycoprotein 330," J. Biol. Chem., 267(29):21162-21166 (1992).	
·	C80	Lee et al., "RAP Uses a Histidine Switch to Regulate its Interaction with LRP in the ER and Golgi," Mol. Cell, 22:423-430 (2006).0.	
	C81	Li et al., "Magnitude of the Hydrophobic Effect at Central Versus Peripheral Sites in Protein- Protein Interfaces," Structure, 13:297-307 (2005).	
	C82	Lisi et al., "Preferential Megalin-mediated Transcytosis of Low-hormonogenic Thyroglobulin: a Control Mechanism for Thyroid Hormone Release," <i>Proc. Natl. Acad. Sci. USA</i> , 100(25):14858-14863 (2003).	
	C83	McCormick et al., "Independent and Cooperative Roles of N-Glycans and Molecular Chaperones in the Folding and Disulfide Bond Formation of the Low-Density Lipoprotein (LDL) Receptor-Related Protein," <i>Biochemistry</i> , 44:5794-5803 (2005).	
	C84	Migliorini et al., "Allosteric Modulation of Ligand Binding to Low Density Lipoprotein Receptor-related Protein by the Receptor-associated Protein Requires Critical Lysine Residues within its Carboxyl-terminal Domain," J. Biol. Chem., 278(20):17986-17992 (2003).	
	C85	Neels et al., "The Second and Fourth Cluster of Class a Cysteine-rich Repeats of the Low Density Lipoprotein Receptor-related Protein Share Ligand-binding Properties," <i>J. Biol. Chem.</i> , 274(44):31305-31311 (1999).	
	C86	Obermoeller et al., "Differential Functions of Triplicated Repeats Suggest Two Independent Roles for the Receptor-Associated Protein as a Molecular Chaperone," <i>J. Biol. Chem.</i> , 272(16):10761-10768 (1997).	
\forall	C87	Prince et al., "Lipoprotein Receptor Binding, Cellular Uptake, and Lysosomal Delivery of Fusions Between the Receptor-Associated Protein (RAP) and α-L-Iduronidase or Acid α-Glucosidase," <i>J. Biol. Chem.</i> , 279(33):35037-35046 (2004).	

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